

Listing of Claims

1.- 43. (cancelled)

1 44. (previously presented) A method for making a glued-
2 together screen assembly for use in a vibratory separator, the
3 method employing a heating apparatus, the heating apparatus
4 comprising a control system, a plurality of heating elements
5 spaced-apart on the heating apparatus, and a plurality of heat
6 sensors, the plurality of heat sensors spaced-apart and movable to
7 a position adjacent the at least one layer of screening material,
8 the plurality of heat sensors in communication with the control
9 system, the method comprising
10 producing at least one layer of screening material
11 with glue on the surface thereof,
12 placing the at least one layer of screening material
13 on the heating apparatus,
14 heating the at least one layer of screening material
15 with the heating apparatus,
16 placing a secondary member on the at least one layer
17 of screening material,
18 sensing with the plurality of heat sensors
19 temperatures of different portions of the at least one layer
20 of screening material during heating thereof,
21 controlling the plurality of spaced-apart heating
22 elements with the control system in response to temperatures
23 sensed by the plurality of heat sensors to control heat
24 applied to the different portions of the at least one layer of
25 screening material during heating thereof, and
26 heating together the at least one layer of screening
27 material and the secondary member to combine the at least one
28 layer of screening material and the at least one secondary
29 member forming a first screen assembly.

1 45. (previously presented) The method of claim 44 further
2 comprising
3 controlling the plurality of spaced-apart heating
4 elements to uniformly heat the at least one layer of screening
5 material.

1 46. (previously presented) The method of claim 44 further
2 comprising

3 the at least one layer of screening material
4 comprising a plurality of layers of screening material.

1 47. (previously presented) The method of claim 44 wherein the
2 at least one layer of screening material is a layer of coarse mesh.

1 48. (previously presented) The method of claim 44 wherein
2 glue on the at least one layer of screening material is cured glue
3 prior to placing the at least one layer of screening material on
4 the heating apparatus.

1 49. (previously presented) The method of claim 44 wherein the
2 glue is moisture-curing hot melt glue.

1 50. (previously presented) The method of claim 44 wherein the
2 secondary member is a frame for a screen assembly.

1 51. (previously presented) The method of claim 50 wherein the
2 frame comprises an array of tubular members.

1 52. (previously presented) The method of claim 50 wherein the
2 frame is coated with adhesive material.

1 53. (previously presented) The method of claim 52 wherein the
2 secondary member is heated sufficiently so that at least some of
3 the adhesive material flows onto the at least one layer of
4 screening material to adhere together the secondary member and the
5 at least one layer of screening material.

1 54. (previously presented) The method of claim 52 wherein the
2 adhesive material is powderized epoxy material.

1 55. (previously presented) The method of claim 44 further
2 comprising

3 removing the first screen assembly from the heating
4 apparatus,

5 emplacing the first screen assembly on first cooling
6 apparatus adjacent the heating apparatus, and

7 cooling the first screen assembly with the first
8 cooling apparatus.

1 56., 57. (cancelled)